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The Miami Bulletin

Series V. DECEMBER, 1906 Number 10

Summer Term

Miami University

June 25-August 2

Oxford, Ohio

Published Monthly by Miami University
And Entered at Postoffice, Oxford, as Second Class Mail Matter

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For information concerning teachers' courses, address

H. C. MINNICH,
Dean Ohio State Normal College, Oxford, Ohio.

GUY POTTER BENTON,
President Miami University.

CLASSIFICATION OF COURSES.

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Mathematics n^{d1} 21
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EDUCATIONAL STAFF

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Instructor in History.

OMEN KONN BORING,
Instructor in French and Spanish.

ANNA HULICK RANSON,
Demonstrator of Primary Methods.

GENERAL STATEMENT.

The Fifth Summer School of Miami University will open Tuesday, June 25, 1907, and continue six weeks, closing Friday, August 2nd. We again invite the attention of the teachers of Ohio to the greatly increased facilities for thorough preparation for the highest requirements of best educational standards. Professional and academical courses have been increased in number. Intensified work is provided for in French, Latin, Mathematics, German, Chemistry, Spanish and Manual Training, in which students may pursue a single course, devoting their entire time to that course.

All classes recite five times a week unless otherwise stated in the description of the course.

COURSES.

One Hundred and Fourteen professional and academic classes will be organized. All collegiate work will be credited toward the **baccalaureate degree** or the **State Normal Diploma.**

OXFORD.

Oxford is especially adapted for a summer school. It has an altitude of nearly 1,000 feet; its streets are wide and well shaded; it has fine drinking water, the famous Talawanda water; it is cleanly, has no saloons and is free from immoral influences of cities. The long and splendid careers of the Western College for Women, Oxford College, and Miami University have made the social and intellectual life ideal for young people.

Oxford is easily accessible from all parts of Ohio, eastern Indiana and northern Kentucky. Oxford has ten daily trains, making good connections with Railroads and Traction lines at Dayton, Hamilton and Cincinnati.

EXPENSES.

Free tuition; registration fee of $3.00.

Women's Dormitory.—Hepburn Hall will accommodate 100 ladies. It is the most modern and complete dormitory in Ohio, furnished with bath rooms, electric lights, steam heat, and all modern appointments. A dining hall is maintained in the Dormitory. All the rooms are well ventilated and lighted, and each has a

beautiful outlook upon the campus and surrounding scenery. Room and board in the Hall $3.00 per week. Rooms should be engaged early.

Rooms in town 75c to $1.00 per week. Rooms in Men's Dormitory $5.00 per term where two occupy one room. These rooms are newly furnished. Students rooming in dormitories must supply themselves with sheets, pillow cases and towels. The dormitories have all modern conveniences.

Board at University Inn $2.00 per week.

Board in Clubs $2.50 per week.

Total expense for the term $19.50 to $24.00.

FACULTIES.

The **regular professors** of the Liberal Arts College and of the Ohio State Normal College are the instructors for the Summer School. **Forty-four** professors and instructors will constitute the corps for the 1907 Summer School.

Believing that the teacher makes the school, the policy of the Miami Summer Term is that of employing professors of known scholarship and successful experience.

ADMISSION.

No examination is required for admission to the Summer Term, but students are cautioned against entering courses for which they are not prepared. **Send to Dean Minnich for a daily schedule and directions for provisional enrollment in advance.** This enrollment is not to be accompanied by payment of any fees nor is it binding. It will save the student much time and avoid waiting on the opening day.

SIZE OF CLASSES.

Sections are made where a large number of students register in a course so that classes are never too large for efficient instruction. Forty is considered a maximum number for a class.

CREDITS.

All courses marked with exponential figures give credit upon the A. B. Degree in the Liberal Arts College and the State Normal Diploma in the Ohio State Normal College. It requires 180 credit hours for the A. B. degree, and 108 for the Normal diploma. In the description of each course will be found the number of credit hours awarded for its completion; 10 hours is the maximum for which a student may enter in a Summer Term.

ATTENDANCE.

From year to year the Summer Term has increased in attendance. In 1906 the attendance reached SIX HUNDRED AND FOURTEEN. These students came from all parts of Ohio, eastern Indiana, northern Kentucky, and from other states. Students find Oxford a most desirable residence for summer.

TRAINING CLASSES.

A more complete organization of the Training Classes has been made for the 1907 Summer Term. Courses are differentiated so as to meet the needs of every teacher.

1. Grades I and II of Graded Schools.
2. Grades III and IV of Graded Schools.
3. Grades V to VIII of Graded Schools.
4. Grades I to IV in Township Schools.
5. Grades V to VIII in Township Schools.

Each of the above courses will have five recitations per week, and will be under expert instruction.

MANUAL TRAINING.

Seven courses will be offered in Manual Training, affording elementary teachers, High School teachers and supervisors opportunities to prepare especially for their respective needs. The aims of the department will be to give the widest opportunities in this growing subject. Principals who desire to prepare for this work in their own schools may devote their entire time to this work. Full description of the courses will be found on page 21.

ELEMENTARY AGRICULTURE.

For the first time in the Ohio Summer Schools the special needs of the Township teachers along the line of enrichment of rural life will receive attention.

Benjamin Marshall Davis, Ph. D., who has devoted much time to the question of Elementary Agriculture in the schools will offer courses adapted to the Ohio situation, from the educational point of view. The great work of the Agricultural College extension, done by the University of Illinois, and other Western State Universities, and now so splendidly inaugurated by Professor Graham of the Agricultural College of the Ohio State University, calls for co-operation on the part of the teachers. To prepare teachers for the greatest helpfulness in the public schools will be the aim of these courses.

The May Miami Bulletin will be devoted entirely to this subject. If you will send your name and address to Dean Minnich, he will send you a free copy.

SUPERINTENDENTS' AND PRINCIPALS' CONFERENCES.

The conferences for the superintendents and principals will be held July 22-26. Dr. W. W. Stetson, State Superintendent of Public Instruction for the State of Maine, will conduct one conference each day. Other conferences will be in charge of persons who are experts along the particular topics assigned for these conference discussions.

SPECIAL LECTURES.

Lectures on Practical Pedagogy will be given by widely and favorably known educators.

Dr. W. W. Stetson, for twelve years State Superintendent for the State of Maine.

President J. E. Klock, President of the State Normal School of Plymouth, New Hampshire.

Professor Robert T. Wyche, story teller. Professor Wyche has become one of the most expert artists in America in story telling adapted to public school work.

OTHERS.

Lectures for evening and single afternoon lectures will be announced later.

GREEK.

Should a sufficient number of students desire instruction in Greek, private instruction will be given by one of the regular instructors in that department. Application for such courses should be made in advance.

Courses of Instruction

BOTANY AND PHYSIOLOGY.

PROFESSOR FINK.

Botany 6d1.—Course in Ecology and Physiology.

A first course, designed for teachers in the grades and high schools, and planned to give a good knowledge of the common plant societies and the structural adaptations of plants to environment. The elementary facts of plant physiology naturally form a part of the course. Five lectures a week and six hours in the laboratory for the study of tissues and physiological experiments, or part of the time in the field for the study of adaptations of plants. 3½ hours credit.

Botany 6d2.—Course in General Botany.

For teachers in grades and the high school. Coulter's text-book. This course will be open to those having sufficient preparation. See page 28. 3½ hours credit.

Physiology nd.

A course in text-book physiology meeting five days a week will be offered. Such demonstrations and experiments as can be shown before a class to advantage will be used. Text-book, Lippincott's Physiology, 3d Book, by Culler.

CHEMISTRY.

PROFESSOR HUGHES.

Chemistry 1d1.—General Chemistry, the Non-Metals. Text, McPherson & Henderson's Inorganic Chemistry and McPherson's Laboratory Manual.

Open to students who have had no chemistry. Five hours recitation and four three-hour laboratory periods. Laboratory fee $2.00. 4½ hours credit.

Chemistry 1d2.—General Chemistry. The Metals. Text, McPherson & Henderson's Inorganic Chemistry and McPherson's Laboratory Manual.

Students who have had a good High School course in chemistry and students who have had the chemistry of the non-metals can enter this class, June 25, and, taking up the study of the metals, can complete the course in General Chemistry by the end of the

Summer Term. Five hours recitation and four three-hour laboratory periods. Laboratory fee $2.00. 4½ hours credit.

Students in the above courses will be required to make a deposit of $2.50 to cover breakage of apparatus.

Chemistry 3d.—Qualitative Analysis. Separation and identification of the bases and acids, and the analysis of about forty unknown mixtures.

Open to students who have completed Chemistry 1. Two lectures and recitations and forty hours laboratory work a week. 8 hours credit. Laboratory fee $8.00.

Students in Chemistry 3 will be required to make a deposit of $5.00 to cover breakage.

EDUCATION.

PROFESSOR PARKER.

Psychology 11cd.—Elementary Educational Psychology.

Elementary Psychology for those who desire an introduction to the subject. Some simple text will be used as the basis of the work and an endeavor will be made to bring out the educational bearings of psychological principles. Five hours per week. 2½ hours credit.

Psychology 11ad.—Analytical Psychology.

This is a general course like Psychology 11cd, but of a more technical nature. It is intended for those who have done some reading in the subject and desire to follow it up in class, those who contemplate continuing in the Two Year Normal Course, those who desire to study for the state certificate examinations. Five hours per week. 2½ hours credit.

Education 11d.—Development of Education since Rousseau.

Reading of parts of Rousseau's Emile, Herbart's Outlines of Educational Doctrine, Spencer's Essays on Education, Dewey's School and Society, supplemented by Monroe's History of Education, Quick's Educational Reformers and other texts. Students who have had the general course in the History of Modern Education given in previous summers, may receive full additional credit if they desire to take this course. Five hours per week. 2½ hours credit.

ENGLISH.

PROFESSOR HEPBURN.

English 4d.—Dramatic Poetry.

Lectures on structure of Drama—characters, plot, setting, with a study of two or three of Shakespeare's plays.

There will be two sections in this class, each five hours a week, with 2½ hours credit.

1. The first section will read Macbeth and Henry V.
2. The second section will read Richard III and Henry VIII.

PROFESSOR ————————.

English 2d.—History of English Language.

Five hours per week. 2½ hours credit.

English 1d.—Freshman English.

Practice in the forms of prose composition with a study of the principles involved. Weekly theme writing. Five hours per week. 2½ hours credit.

English nd.—Grammar.

Review of the most important phases of English Grammar.

THE TEACHING OF ENGLISH.

PROFESSOR FEENEY.

English 12d.—The Teaching of English.

The teaching of composition, grammar and literature in the elementary school, with particular reference to the upper grades. For principals and upper-grade teachers. Text, Chubb's The Teaching of English, with talks and papers based upon articles in N. E. A. reports and in other educational literature. Six hours per week. Three hours credit.

LITERATURE.

PROFESSOR DARST.

Literature nd1.—English Literature.

A review of the entire field of English Literature with assigned readings from the masterpieces, and special biographical studies. Any modern text will be useful.

Literature nd2.—American Literature.

This course will consist of a review of the History of American Literature with studies in the life and times of the principal American authors. Assigned readings from as many authors as time will permit, will be required.

ECONOMICS AND SOCIOLOGY.

PROFESSOR HAYES.

Economics and Sociology 4d.—Political Economy.

Accepted results of economic discussion upon the main points of theory and practical problems including production, causes that

determine prices, money, banking, monopolies, the distribution of wealth, taxation, socialism.

Bullock's Introduction to the Study of Economics, largely supplemented by the instructor. Five times a week. 2½ hours credit.

Economics and Sociology 2d.—American Politics.

Lectures on the principles of government and the nature, development and manipulation of the party system. Also Andrews' New Manual of the Constitution. In general, quizzes, oral or written, on the text-book will be held once a week and lectures four times a week. Each student will write one paper presenting results of library work on a special topic in American affairs. Five times a week. 2½ hours credit.

Animal Intelligence 9d.

Text-book and numerous library references, discussed with reference to the part played by instinct in the life of man, and the earlier stages of man's intellectual and social life. Five hours a week. 2½ hours credit.

FINE ARTS.

MISS ROBINSON AND ASSISTANT.

Fine Arts 11d1.—Blackboard Drawing.

The purpose of this course is to promote the use of the blackboard as a means of expression and illustration in connection with school work. It will include the principles of Perspective, Pose Drawing and Chalk Modeling.

Fine Arts 11d2.—History of Art and Picture Study.

This course will be a study of the historical development of art, the lives of a few great artists, their work, and the use of Picture Study in the grades.

Fine Arts 11d3.—Applied Art.

The purpose of this course is to take up the different phases of Public School Art.

The questions of grade adaptation, correlation with other studies, and local limitations will be carefully considered.

The subjects taken up are as follows:

1. The Teaching of Color in the Grades.
2. Freehand Drawing and Perspective.
3. Design.

Fine Arts 11d4.—Hand Work for the Grades.

This course deals with those forms of hand work which are practical in the lower grades. The work is closely related to the course in Applied Art, and is developed from the grade work in Literature and History, and includes work in paper folding, cardboard construction, clay modeling, weaving, leather work and basketry. One hour credit for each of above 5-hour courses.

FRENCH.

PROFESSOR BRANDON AND ASSISTANTS.

Elementary French 1d.

This course will be divided as follows:

(a) Oral lessons based on the Gouin Series. Three hours per day.

(b) Elementary reading and oral reproduction. One hour per day.

(c) Grammar and Composition. One hour per day.

(d) Conversation and drill in pronunciation. One hour per day.

The course may be elected as a whole, or one or more divisions of it may be taken separately. **No division will be given unless elected by at least five students.** Students who elect the entire course, give all their time to the subject and show aptitude for the study, may thereby prepare themselves for the second year college course in French. The work is largely on the laboratory plan, and the credit is figured at three-fifths of the class time. 9 hours credit.

French 2d.

A special course for Summer Term students who have had one year of French. Reading and oral and written reproduction of simple texts may be taken by students in regular course as review, but without credit.

This course will not be given unless elected by six students. Five hours per week. 2½ hours credit.

GEOGRAPHY.

PROFESSOR HOKE.

Geography 12d.—Teaching of Geography.

An outline of the evolution of geographical ideas and methods, and their adaptation to the grades as home, regional and world geography. Considerable attention will be devoted to the discussion of ways and means for outdoor study, the use of pictures and maps, and the organization of material into a course of study.

The course will be conducted by means of lectures, special

reports, practical exercises and round-table conferences. Some of these conference will be open to all interested in this subject.

Three one-hour and two two-hour periods per week. 2½ hours credit.

Geography 13d.—Geographic Influences in History.

A concrete study of the social reaction to certain typical environments as shown by some of the more conspicuous movements of history. For example, social evolution among desert, steppe, and forest peoples; Persia and Oriental culture; Greece and the culture of the Occident; Asia Minor as the land bridge between the East and the West; Russia and the influence of land power in history, etc. Other regions studied will be Germany, Great Britain, Canada and the United States. The course will be conducted by means of lectures, special reports, and class discussions. Five one-hour periods per week. 2½ hours credit.

Geography nd.—Review Geography.

A rapid survey of the main geographic features of the coast and the processes to which they are due. While this course is intended primarily to assist teachers in their preparation for examination, yet the attempt is made to present the material in such a way that the student may gain an insight into the spirit of modern geography. Five hours per week.

GERMAN.

PROFESSOR HANDSCHIN AND ASSISTANTS.

Elementary German 1d.

This six-weeks' course is planned to cover the work of the first year of German. To take it successfully, the student will find it necessary to devote his time to it exclusively.

The course is planned to be taken as a whole, but any one or more divisions of the work outlined below may be taken separately. The credit for the complete course is 9 hours.

The work consists of the following:

1. Oral lessons based on the Gouin Series. Three hours per day.

2. Easy reading oral reproduction and conversation. One hour per day.

3. Grammar and Composition. One hour per day. All the exercises five days per week.

German 2d.

For second-year students. Reading and oral reproduction of

fairly easy texts. Five hours per week. This course is recommended only to Summer School students. 2½ hours credit.

German 10d.—Teachers' Course.

A critical study of the methods of teaching modern foreign languages. Lectures, reports, discussions and practice teaching. Open to High School teachers of German or French and others properly qualified to do the work. Two hours per week. 1 hour credit.

German 11d.—Development of the Modern German Novel.

A course for advanced students of German, and post-graduates. The course is made to serve as an introduction to the scientific methods of the historical and critical study of literature. Lectures, readings and reports. Two hours per week. Credit according to amount of work done.

Der Deutsche Verein is an organization of students and instructors interested in the study of German language and literature and of German life and culture. Two meetings are held each month, on Thursday evenings. The programs consist chiefly of German conversation and singing of German songs. Advanced students, especially those preparing to teach German, and others, who wish to keep up their knowledge of German, are invited.

HISTORY.

PRESIDENT BENTON, ASSISTANT PROFESSOR BRADFORD.

History 1d.—History of Western Europe, 1648-1815.

An outline course in the history of Western Europe from the treaty of Westphalia to the treaty of Vienna. A specified amount of supplementary reading will be required. Five hours a week. 2½ hours credit.

History 4d.—American History—Colonial Period, 1492-1789.

A study of the causes tending to the settlement, development, revolt and subsequent federation under the constitution of the colonies comprising the thirteen original states. A specified amount of supplementary reading will be required. Five hours a week. 2½ hours credit.

History 5d.—American History—The Recent Period.

A study of the main problems of our national history from the outbreak of the Civil War to the present time so far as time will permit. Five hours a week. 2½ hours credit.

History 12d.—See page 30.

MRS. HERNDON.

History 13d.—American History, 1789-1858.

The course will include a review of the events leading up to the adoption of the constitution, a study of America under the constitution, together with the forces that made of her a great nation, and a consideration of the conflicting opinions and interests of the North and the South that culminated in the Civil War. Five hours a week. 2½ hours credit.

History 11d.—Institutional History.

A study will be made of the American Indians as an expression of institutional life in its simplest form. A brief review of Oriental institutions will be given to establish a setting for a more thorough study of Greek and Roman institutions. The relations of geography and history will be emphasized. Five hours. 2½ hours credit.

INSTRUCTOR ————————.

History n.d1.

A review of the most important events and movements of United States History to the close of the Revolution.

History n.d2.

A thorough review of the most important features of American History from 1789 to the present time.

LATIN.

ASSISTANT PROFESSOR HADSEL AND MR. E. F. SCHWEIKART.

Special attention is called to the enlarged scope of the work of the Latin department. The plan as outlined in the courses below enables a student to complete any year of High School Latin either (1) in the Teachers' Special Term of twelve weeks or (2) in two summer sessions.

To do this, classes recite daily the first six weeks and twice a day during the summer session. Students enrolling for courses meeting twice a day, must not register for much other work.

The following are the courses to be given, beginning with the Teachers' Special Term and running throughout the summer session, as a^2, b^2, c^2, etc., below.

Latin a^1.—Beginning Latin.

Latin b^1.—Caesar's Gallic Wars, with Prose Composition.

Latin c^1.—Cicero's Orations, with Prose Composition.

Latin d^1.—Virgil's Aeneid.

One recitation daily first six weeks. Two recitations daily summer session. See a^2, b^2, etc., below.

COLLEGE LATIN.

PROFESSOR WILDMAN.

Latin 12d.—Teachers' Training Course.

Designed especially for teachers of Latin in high schools. Special attention is given to syntax, treatment of the cases and the subjunctive. **Prose composition will constitute a large part of the work.**

Latin 6d.—Reading Course in Selected Author.

Designed for students wishing to do regular college work in Latin, corresponding to Freshman or Sophomore courses. An author selected by the class will be read and the amount of work done will determine the hours of credit given.

PREPARATORY LATIN.

ASSISTANT PROFESSOR HADSEL AND PROFESSOR DARBY.

Latin a^2.—Advanced Beginning Latin.

Latin b^2.—Caesar's Gallic Wars, with Prose Composition.

Latin c^2.—Cicero's Orations, with Prose Composition.

Latin d^2.—Virgil's Aeneid.

Two recitations daily. For each of these courses in connection with Latin a^1, b^1, c^1 or d^1, begun at commencement of Teachers' Special Term or taken the preceding summer, a year's credit in Preparatory Latin is given. **Students ranking Freshmen without conditions will receive college credit for the Virgil course.**

The following courses are designed for those wishing to complete a year's Latin in two summer sessions. One recitation daily.

Latin a^1.—Beginning Latin.

Latin b^1.—Caesar's Gallic Wars, with Prose Composition.

Latin c^1.—Cicero's Orations, with Prose Composition.

Latin d^1.—Virgil's Aeneid.

MATHEMATICS.

PROFESSOR HALL.

Mathematics 1ad.—Trigonometry.

The fundamental principles and theorems with their application to analytic reductions and the solution of plane triangles and various geometric and physical problems. Six hours a week. 3 hours credit. The exact equivalent of Liberal Arts course Math. 1a. Text, Hall and Frink's Trigonometry. Prerequisite, a present working knowledge of algebra through quadratics and of plane geometry.

Mathematics 1b(c).—Analytic Geometry.

So much of the usual college course as time permits. Six hours a week. 3 hours credit. The exact equivalent of Liberal Arts course, Math. 1b. [At the option of the class this course may be elected to recite twice a day, with 5 hours credit. When supplemented by later work, it is then equivalent to Liberal Arts courses Math. 1b, c.] Text, Smith and Gale's Introduction to Analytic Geometry. The course must be preceded by Trigonometry and its prerequisites.

Mathematics 9d.—College Algebra.

A treatment, so far as time permits, of those topics comprising the customary college course, including the theory of equations, determinants, series, etc. Four hours a week. 2 hours credit. The equivalent of Liberal Arts course Math. 9a. [Or, at the option of the class, eight hours a week, 4 hours credit; the equivalent of Liberal Arts course Math. 9a, b.] Text, Fine's College Algebra. Prerequisites, plane Geometry and a present working knowledge of Algebra through quadratics.

Mathematics ad.—Rapid Review of High School Algebra.

A treatment of the whole of elementary algebra through quadratic equations, designed especially for those who have previously pursued the subject and desire a comprehensive view of the principles and logic of algebra together with a review drill in algebraic processes. Five hours a week. Text, Tanner's Elementary Algebra. The course begins May 6, covering chapters I-XII during the first six weeks, and chapters XIII-XVIII during the summer term.

ASSOCIATE PROFESSOR FEENEY.

Mathematics 11d.—The Teaching of Elementary Mathematics.

A brief history of the teaching of elementary mathematics with discussion of present practice and of the proper place of arithmetic, algebra and geometry in the grades. Papers on assigned topics. For upper grade teachers, principals and superintendents. Text, Smith's The Teaching of Elementary Mathematics. Readings from McLellan and Dewey, Brooks, Cajori, Conant, Gow, etc. Six hours per week. 3 hours credit.

ASSISTANT PROFESSOR FINCH.

Mathematics ad4.—Algebra Beginning.

This course will comprise the fundamental operations, factoring, fractions and simple equations.

Mathematics bd4[1].—Algebra Advanced.

This course will comprise simultaneous equations, theory of exponents, radicals and quadratics. Any good text book will be useful, as the subject will be taught by topics.

Mathematics bd4[2].—Plane Geometry. First two books.

Mathematics bd4[3].—Plane Geometry. Last three books.

Mathematics cd[4].—Solid Geometry.

This course will comprise the 6th, 7th and 8th books of Wentworth's Geometry. A number of original problems will be solved.

All above courses, five hours a week.

INSTRUCTOR ————————.

Mathematics nd[1].—Arithmetic, Mensuration.

A study of the relations involved in the measurement of surfaces and solids with solution of numerous problems. Square and cube roots. Five hours a week.

Mathematics nd[2].—Arithmetic, Percentage.

A study of the business conditions under which arise problems in insurance, stocks, commission, etc., with solution of problems. Five hours a week.

MANUAL TRAINING.

PROF. F. C. WHITCOMB AND ASSISTANT.

No person may take more than three of the following courses; when three are taken one must be course 16 or 19 and no work in other departments of the Summer School may be taken.

These courses offer opportunities for those who wish to prepare themselves for special teachers or supervisors; also by means of them the regular grade teacher, principal or superintendent may become acquainted with the various lines of manual training work.

Manual Training 20[d].—The History and Organization of Manual Training.

One hour lecture and two to three hours preparation each day. Three hours credit.

(a) The development of manual training courses in the United States with references to those of foreign countries; (b) Organization of the work in the various grades and in different kinds of schools; (c) Its relation to society, child nature and to the curriculum; (d) Problems of subject matter and of method.

Manual Training 16[d].—Materials, Tools and Methods.

One hour conference and two to three hours preparation each

day. Three hours credit.

(a) Structure and defects of wood; (b) Special study of woods adapted to manual training purposes; (c) The forest and lumbering; (d) Processes of construction; (e) Study of tools; (f) Wood finishing.

Manual Training 14d.—Design, Mechanical Drawing and Construction Work for Grades V and VI.

Two hours conference and fifteen hours shop work each week. Three hours credit.

The first part of the course deals with problems which may be done in the regular class room; the second part requires some special arrangement in the class room or a separate room. Only a few tools are required. Several materials are used in construction. Fee for material 50 cents.

Manual Training 15d.—Design, Mechanical Drawing and Construction Work for Grades VII and VIII.

Two hours conference and fifteen hours shop work each week. Three hours credit.

Work requiring a special room and a full equipment of tools. Drawing board, T square, triangles and compasses used in making working drawings. Designing each piece of work emphasized. Wood, Venetian and sheet iron, sheet copper and brass are materials used. Fee for material 50 cents.

Manual Training 17d.—Furniture Designing and Construction.

Two hours conference and fifteen hours shop work each week. Three hours credit.

An advanced course. Manual Training 15d or its equivalent a prerequisite. Attention paid to metal trimmings and free carving as means of decoration. Fee for material $1.00.

Manual Training 18d.—Art Metal Work.

Two hours conference and fifteen hours shop work each week. Three hours credit.

A number of materials are used and candle sticks, lanterns, shades, trays, bowls, etc., are designed and made. Processes of riveting, stamping, chasing, heating, enameling, soldering, engraving, finishing and coloring are taught. Fee for material $1.00.

Manual Training 21d.—Mechanical Drawing.

Two hours conference and fifteen hours drawing each week. Three hours credit.

Line practice, lettering, geometrical problems, projections, inter-

sections, surface developments, sketching, making of working drawings, tracings and blue printing. A thorough and comprehensive course. Students must provide drawing board, instruments and paper.

MUSIC.

DIRECTOR MYERS.

Music 11d.—Course for Elementary Teachers.

First steps in singing. Scale, staff and key drills. Key signatures. Tone lengths. Intervals. Notes, measures and signs of simple notation. Rythmical exercises. Dictation work. Absolute pitch. Intermediate tones. Key names and key relationship. Minor modes and forms. Practical book work. Special attention is given to voice and ear training, breath control, tone formation, voice placing, phrasing and expression in school song singing. Credit according to amount of work.

Music Special.—Course for Special Teachers and Supervisors of Public School Music.

Grade Outlines—This study embraces the unfolding of the subject in accordance with the mental, physical, social and moral development of the child as he passes from grade to grade; the educational values of music and its place in the development of the child as viewed from the standpoints of psychology and pedagogy.

History of Music—Primitive music. Ancient Greek Music. Pentatonic and Heptatonic structural forms of scales. Music systems of Oriental countries. Music of the early Christians. Ecclesiastic modes. Peoples' songs. Origin and growth of notation. Early attempts at harmony. The development of musical form. The scale of Bach. Modern music. Much of the work in this class during the summer session will consist of lectures and informal talks.

Harmony and Musical Forms—The music supervisor or special teacher should be able to write original one and two part exercises fluently in order to present clearly, under various conditions, the numerous problems encountered in the teaching of the subject. This requires, at least, a fair knowledge of rhythmical forms, melodic construction, interval combinations and harmonic progressions.

Students desiring to complete the Public School Music Supervisor's Course and receive a certificate will be required to take, in addition to the above, Teacher's Psychology and History of Education.

Private lessons will be given on pianoforte and in voice culture,

for which a tuition of one dollar will be charged for each lesson of one-half hour's duration.

NATURE STUDY AND ELEMENTARY AGRICULTURE.

PROFESSOR DAVIS.

Nature-study 11d.

Consideration of problems and methods of the subject with particular reference to country and village schools. Practical illustrations will be taken from the natural and industrial environment of Oxford. Lectures, discussions, field and laboratory work. 2½ hours credit.

Elementary Agriculture 11d.

Factors of plant nutrition and growth, including special attention to soils and their improvement. Use of Government publications. Lectures, discussions, field and laboratory work. 2½ hours credit.

PHYSICS.

PROFESSOR CULLER.

Physics a4.—Course in Elementary Physics.

Four recitations per week and three laboratory periods of three hours each. Text book, Culler's Physics. The aim will be to complete the work in two summer terms.

Physics a42.—Course in Elementary Laboratory Physics.

Special provision will be made for those who have not had opportunity to do the laboratory work in physics required for admission to Freshman class.

Physics 12d.—A Course in Elementary Physics for Teachers in the Grades.

Text, Culler's First Book in Physics. This work will consist of lectures on methods of presenting the subject, and detailed directions for making and manipulating apparatus and experiments. Work complete in six weeks. 2½ hours credit.

PUBLIC SPEAKING.

PROFESSOR GATES.

Voice Work 11d.—Public School Reading.

Five hours a week. Two hours a week will be devoted toward an easy and untiring use of the voice in the school-room and in the reading recitation. Three hours a week will be given to the study of selections used in the grades, lectures on methods of study, and criticisms of reading done in class.

Credit according to amount of work done.

PHYSICAL CULTURE.

PROFESSOR STONE.

Courses offered will be especially adapted to teachers, and to the needs of public schools, and will consist of Swedish Movements, Wands, Indian Clubs for women and men, and a course of general gymnastics.

SCHOOL SYSTEMS AND ADMINISTRATION.

PROFESSOR MINNICH.

School Systems 14[d].

A general view of the administration and organization of the schools of Germany and France, courses of study in Gymnasium, Realschule and Lycee. A brief study of one or two typical state and city school systems in America. The entire course will be comparative so far as time will permit. Five hours a week. 2½ hours credit.

SPANISH.

MR. BORING.

Elementary Spanish 1[d].

This course will be divided like French 1[d] as follows:

(a) Oral lessons based on the Gouin series. Three hours per day.

(b) Elementary reading and oral reproduction. One hour per day.

(c) Grammar and compositon. One hour per day.

(d) Conversation and drill in pronunciation. One hour per day.

This course is recommended to teachers who intend to go to Porto Rico or the Philippines. In (d) the aim will be to familiarize the student with the language of every day life. Students who elect this course as a whole devote all their time to it. Those who wish and are properly prepared may elect one or more divisions separately. Those who show proficiency in the subject may prepare themselves to enter the second year college course in Spanish. The course covers a whole year's work, 9 hours credit.

TRAINING.

PROFESSOR LOGAN AND ASSISTANTS.

The work of the Training Department has been enlarged and

more thoroughly differentiated than in previous summer schools. Special work is afforded to teachers in township schools and city teachers, and special classes for homogeneous groups in both.

The following courses are offered:

Training 11d.

I. For graded schools.

1. For grades I and II.

The subject matter of language and reading will receive attention. The values of presentation of myths, poems and stories by developing, telling or reading will be discussed. Modes of reproduction; dramatization, making, etc., will be considered. Correlation of number, writing, drawing, hand work and other modes of expression will be discussed. Five hours, 2 hours credit.

2. For grades II and IV.

Materials will be suggested for the content side of reading, language and geography. Modes of presentation will be discussed. Programs will be planned. The basis of the language work will be derived from Indian myths, Greek and Roman stories. Formal language lessons will also be considered. 2 hours credit.

3. For grades V to VIII.

Special courses in the teaching of the various subjects of instruction in the upper grades will be found described under Manual Training, Public Speaking, English, Mathematics, Geography, History and Physics. Each course runs through the six weeks.

II. For township teachers, and teachers who have several grades in same room.

1. For grades I to IV.

This course will consist of methods and material in township schools. Model lessons, grouping of classes, problems of the small classes, co-operation of patrons, methods in reading, writing, number work, language.

2. For grades V to VIII.

ASSOCIATE PROFESSOR FEENEY.

School Organization nd.

A discussion of some of the more prominent problems of the township school, including organization, daily program, relation of subjects, selection and use of material for instruction. Special attention will be given to unification of work with a view to economy of time and energy.

MODEL SCHOOL.

A model school, in which the special method of the Training Department will be illustrated, will be in session every forenoon. This school will be conducted by skilled teachers and will present daily the model lessons for the first four grades.

Teachers' Special Term

May 13 to August 2, Twelve Weeks.

The Teachers' Special Term is designed to accommodate teachers whose schools close early in May.

The courses are arranged to open the largest possible opportunities for those desiring to do advanced work and for those preparing for professional, elementary or high school certificates and for State certificates.

The course organized will be a continuous term equivalent to a full collegiate term.

COURSES OF INSTRUCTION.

Botany 6d.—Course in General Botany.

A beginning course in Botany, designed for teachers in the grades and high schools. Coulter's Text Book will be used, and the various groups of plants will be studied in the classroom, laboratory and field. The text will be supplemented as much as time will permit. Five classroom periods and six hours in the laboratory or in the field each week. 7 hours credit.

Chemistry 1a.

General Chemistry. Text, McPherson and Henderson Inorganic Chemistry and McPherson's Laboratory Manual. Five hours recitation and four three hour laboratory periods. Class beginning May 6, will complete the course in Freshman Chemistry by end of summer term. All students who have had no chemistry should enter this course May 6. Laboratory fee $4.00. Deposit to cover breakage or apparatus $2.50. 9 hours credit.

Chemistry 3a.

Qualitative Analysis. Separation and identification of the bases and acids and analysis of about forty unknown mixtures. During the latter part of the course elementary quantitative analysis will be taken up.

Open to students who have completed Chemistry 1a. Students entering this course May 6 can complete Qualitative Analysis by

the end of the summer term. Two lectures and recitations and twenty-four hours laboratory work a week. Credit 9 hours. Laboratory fee, $10.00. Deposit to cover breakage of apparatus, $5.00.

Physics a.

Course in elementary physics beginning May 1, consisting of five recitations and three laboratory periods each week. Text, Culler's Physics. Course completed in 12 weeks.

Physical Geography.

A rapid survey of the various processes affecting the land and their results. The aim will be to give the student such a view of the subject as to furnish a good basis for the study of Regional Geography. This course will make unity of work with the courses given by Professor Hoke in the summer term.

History.

A survey of the salient features of Greek and Roman History and an outline covering the history of Western Europe from the treaty of Westphalia to the treaty of Vienna. The recitations will consist of outlines, class discussions, reports and papers on special topics Five hours a week, 5 hours credit.

Geometry.

Plane Geometry, Books I and II of Wentworth's Plane Geometry, with special attention to the solution of original exercises. Corresponds to Mathematics b^1. Gives entrance credit.

Solid Geometry.

For beginners or those who have had some previous work.

Algebra.

1. Rapid review of good High School text.
2. Course for beginners.
3. Course for those who have had at least one term's work.

This course will comprise the following topics: Radicals, Quadratics, Binominal Theorem, Lagorithms. Other subjects will be given, if a majority of the class wish them.

Latin.

Special attention is called to the enlarged scope of the work of the Latin department. The plan as outlined in the courses below enables a student to complete any year of High School Latin either (1) in the Teachers' Special Term of twelve weeks or (2) in two summer sessions.

To do this, classes recite daily the first six weeks and twice a

day during the summer session. Students enrolling for courses meeting twice a day, must not register for much other work.

The following are the courses to be given, beginning with the Teachers' Special Term and running throughout the summer session, as Latin a^2, b^2, c^2, etc., see page 18.

Latin a^1.—Beginning Latin.

Latin b^1.—Caesar's Gallic Wars, with Prose Composition.

Latin c^1.—Cicero's Orations, with Prose Composition.

Latin d^1.—Virgil's Aeneid.

One recitation daily first six weeks. Two recitations daily summer session.

Literature.

History of English and American Literature with study of life and times of chief authors, and such readings from masterpieces as time will permit.

Rhetoric.

A survey of the principles of rhetoric for mature students.

Manual Training 14.—Design, Mechanical Drawing and Construction for Grades V and VI.

This course will be given each six weeks of the term. Two hours conference and fifteen hours shop work each week. Three hours credit for each six weeks.

The first part of this course presents work which may be given in the regular class room with very little special equipment. The work of the second part of the course requires a special room or some bench arrangement in the regular class room.

Manual Training 15.—Design, Mechanical Drawing and Construction for Grades VII and VIII.

Two hours conference and fifteen hours shop work each week. Six hours credit if carried during the twelve weeks.

The work of this course requires a specially equipped room and a full set of tools. A complete and thorough elementary course in wood and sheet metal work. The mechanical drawing work suitable for these grades is given. Considerable attention is paid to design.

History 12^d.—The Teaching of History. Given Summer Term only.

The aim of history in elementary education, together with courses of study will be considered from the point of view taken by Dewey, McMurray, Emily J. Rice and other prominent educationists. A study of the present trend in the teaching of history and approved

methods of instruction will conclude the work of the term, six hours, 3 hours credit.

Manual Training 16—Materials, Tools and Methods.

This course will be given each six weeks of the term. Five hours recitation and conference each week and two to three hours preparation each day. Three hours credit for the six weeks' course.

Music.

Rudiments of music for teachers desiring to prepare in public school music.

Fine Arts.

Public school drawing, blackboard and free hand work.

Other Courses.

Courses in common branches will generally make unity of work with the summer term course.

Address all communications regarding Summer Term, Teachers' Special Term and Teachers' Course to

H. C. MINNICH,
Dean, Ohio State Normal College.

GUY POTTER BENTON,
President of Miami University.

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